

AN 102:63259 HCA  
 TI Polyolefin hot-melt adhesives  
 PA Sumitomo Chemical Co., Ltd., Japan  
 SO Jpn. Kokai Tokkyo Koho, 12 pp.  
 CODEN: JKXXAF  
 DT Patent  
 LA Japanese  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP--59159843	A2	19840910	1983JP-0033641	19830228
	JP--01007624	B4	19890209		
PRAI	1983JP-0033641		19830228		

AB A polyolefin hot-melt adhesive compn., exhibiting high adhesive strength at low temp., comprises (A) a polyolefin modified with unsatd. carboxylic acid or anhydride, or its blend contg. an unmodified polyolefin and (B) an ethylene-(meth)acrylic acid ester copolymer, optionally contg. a metal oxide, hydroxide, phosphate, carbonate, or carboxylate. Thus, a blend of 100 parts polyethylene grafted with 0.29% maleic anhydride (d. 0.957, melt index 2.2 g/10 min at 190.degree. and 2.16-kg load) and 10 parts 90.3:9.7 ethylene-Me methacrylate copolymer (I) [25101-13-7] (melt index 5.70 g/10 min) was kneaded at 180.degree. for 5 min, pressed to form a 0.3-mm sheet, sandwiched between steel plates preheated at 160.degree., and pressed for 1 s to give a laminate exhibiting 180.degree. peel strength 2.0 kg/cm, compared with 0 kg/cm for an adhesive no contg. I.

# IT Adhesives

(hot-melt, carboxy-modified polyolefins contg. acrylic polymers, with high adhesive strength at low temp.)

IT	1309-42-8	1309-48-4, uses and miscellaneous	4067-14-5	7779-90-0
	9002-88-4	9003-07-0	9010-79-1	9010-86-0
			25101-13-7	25103-74-6

RL: USES (Uses)

(carboxy-modified polyolefin hot-melt adhesives contg., with high adhesive strength at low temp.)

IT	9006-26-2	25722-45-6	31069-12-2	93060-02-7
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RL: USES (Uses)

(graft, hot-melt adhesives contg., with high adhesive strength at low temp.)

IT	9010-77-9
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RL: USES (Uses)

(hot-melt adhesives contg., with high adhesive strength at low temp.)

IT	7429-90-5, uses and miscellaneous	12597-69-2, uses and miscellaneous
	24937-78-8	25038-54-4, uses and miscellaneous
		25067-34-9

RL: USES (Uses)

(sheets, hot-melt adhesives for, carboxy-modified polyolefin hot-melt adhesives for, with high adhesive strength at low temp.)